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User Manual - Version 1.2

USER MANUAL

1PXL COVE LIGHT XR RGB
1PXL STRIP RGB

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FOR YOUR OWN SAFETY AND THAT OF THE PRODUCT, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE BEGINNING SETUP AND INSTALLATION!

1. INTRODUCTION

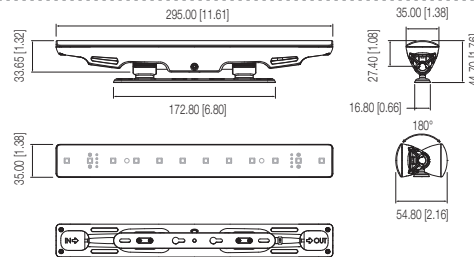
1PXL COVE LIGHT XR RGB (MB.CL.5010100)

1PXL STRIP RGB (MB.ST.5010000)

The Traxon™ 1PXL Cove Light XR RGB and 1PXL Strip RGB features 12 ultra bright SMD LEDs on a 24.5mm/0.96" pitch. The low-profile Cove Light XR, with a 180° adjustable base mount is an ideal solution as a self-housed unit for any alcoves and recesses. The Strip RGB is an ideal option for full flexibility on mounting on any surfaces. The Cove/Strip RGB is controlled by 3-channel DMX and can be daisy chained with the Traxon TX Connect™ system. On-board SMART CHIP™ technology featuring auto-addressing enables easy setup and installation.

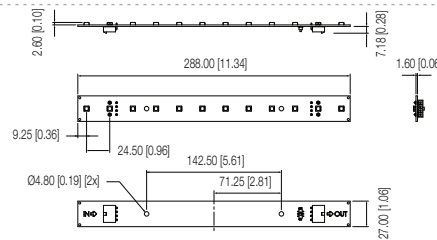
1PXL COVE LIGHT XR RGB

- 12 Ultra Bright SMD LEDs
- TX Connect™ System
- SMART CHIP™ Technology
- 180° Rotation on Base mount
- 360° Rotation on Free-Mount
- DMX Control
- Auto-Addressing ON/OFF
- Indoor Applications



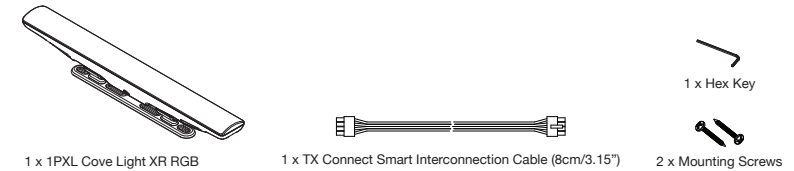
1PXL STRIP RGB

- 12 Ultra Bright SMD LEDs
- TX Connect™ System
- SMART CHIP™ Technology
- DMX Control
- Auto-Addressing ON/OFF
- Indoor Applications

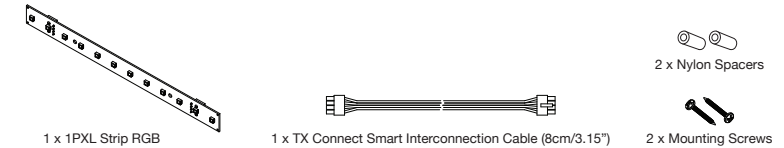


2. PACKING CONTENTS

1PXL COVE LIGHT XR RGB (MB.CL.5010100)



1PXL STRIP RGB (MB.ST.5010000)



3. SAFETY AND OPERATION

CAUTION – UNPLUG THE POWER SUPPLY FROM THE MAINS POWER BEFORE CONNECTING ANY CABLES AS THIS CAN DAMAGE THE PRODUCTS.

CAUTION – AVOID LOOKING DIRECTLY INTO THE LED LIGHT SOURCE AT CLOSE RANGE FOR YOUR OWN SAFETY.

ANY PERSONS INSTALLING THIS PRODUCT SHOULD COMPLY WITH LOCAL STANDARDS AND REGULATIONS AND MUST BE QUALIFIED FOR THE HANDLING OF ELECTRICAL EQUIPMENT.

This product is designed for indoor use only

An ambient operating temperature range of 0°C to 40°C (32°F to 104°F) must be adhered to at all times

If the fixture has been subjected to drastic temperature variances, e.g. following transportation, do not connect the fixture until it has reached room temperature, as internal condensation build-up may damage the fixtures' electronics.

When installing the fixtures and system power supplies in the chosen locations, please ensure that they will not be exposed to moisture, extreme heat or direct sunlight and that it is in a dirt and dust free environment keeping the fixtures and system power supplies within their operating boundaries.

Please study all functions in this User Manual thoroughly and check the latest Technical Specifications Sheets available from our website [www.traxontechnologies.com] before setup.

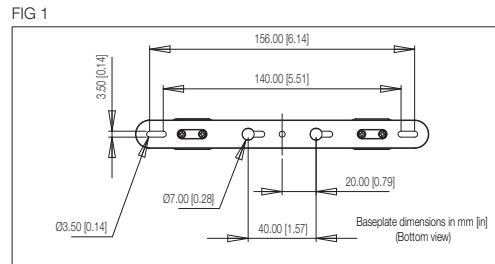
4. MOUNTING

Plan your installation before mounting the Cove Light XR RGB or Strip RGB. The following should be considered for a successful installation.

- Installation distances and choose appropriate cable lengths.
- The number of fixtures and choose appropriate power sources.
- DMX controller to be used to control the fixtures.
- Auto-addressing ON or OFF on each fixture. (Refer to 5. SYSTEM CONFIGURATION.)

4.1 COVE LIGHT XR

The Cove Light XR can be mounted using the provided baseplate (dimensions shown in FIG. 1) or mounted in straight runs on a round stainless steel rod (not supplied).



• USING BASEPLATE MOUNT

Use the screws provided to mount the baseplate firmly to a flat surface and then push the fixture onto the baseplate (FIG 2). Rotate the fixture to the desired position and lock using the hex key (FIG 3 & 4). Do not over-tighten as this can damage the fixture casing.

FIG 2

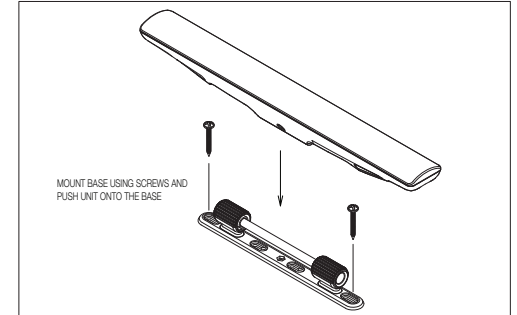


FIG 3

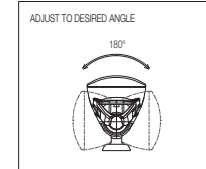
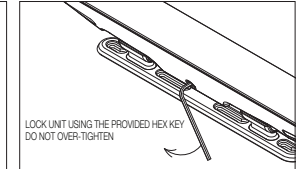


FIG 4



• FREE-MOUNTING

Mounting multiple Cove Lights in a straight run can be achieved using a round stainless steel rod (not provided). Push the fixture onto the rod, rotate the fixture to the desired position and lock using the hex key (FIG 5, 6, & 7). Do not over-tighten as this can damage the fixture casing.

FIG 5

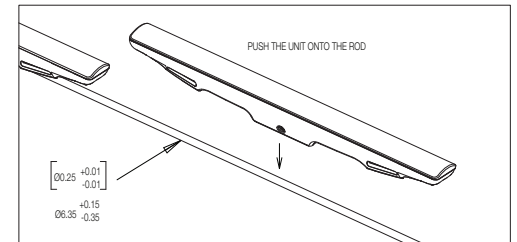


FIG 6

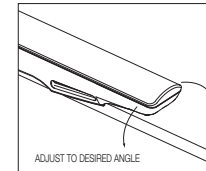
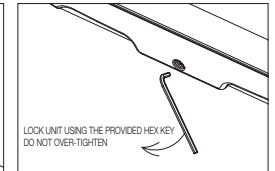
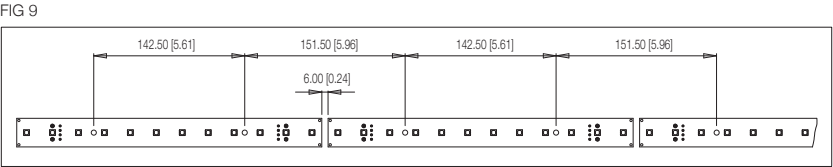
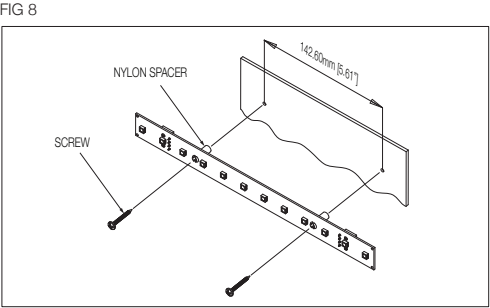


FIG 7



4.2 STRIP

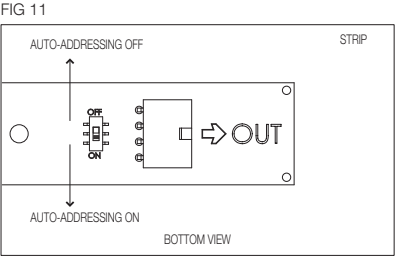
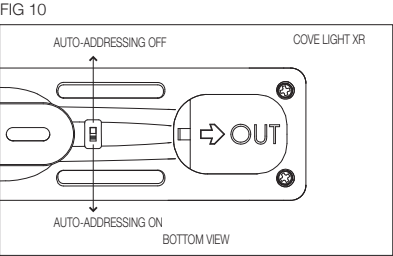
To mount the Strip, affix the nylon spacers into the mounting holes on the bottom side of the Strip, then use the screws to mount to a flat surface. Select the desired position and fasten the screws in place (FIG 8). Multiple strips can be mounted in line as shown in FIG 9.



5. SYSTEM CONFIGURATION

5.1 SETTING AUTO-ADDRESSING

By default, the factory setting for the auto-addressing feature is ON. The DIP switch on the back of the fixture sets the auto-addressing feature (see FIG 10 and FIG 11). Auto-addressing sets the DMX channel for the next fixture in the chain.



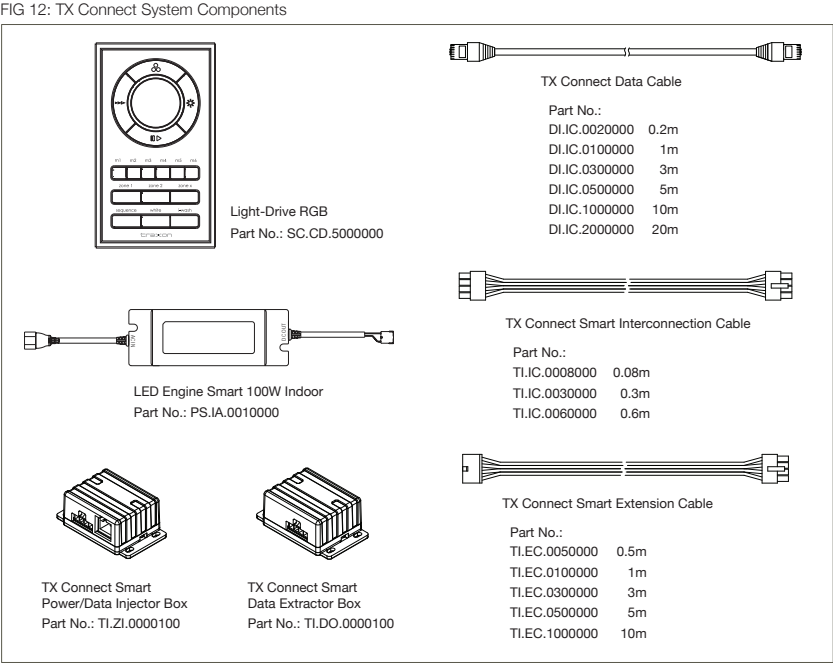
- Auto-addressing OFF: Next fixture uses the same DMX data as the existing fixture.
- Auto-addressing ON: Next fixture uses data from the next 3 DMX channels

5.2 TX CONNECT SYSTEM

The Traxon TX Connect System is a interconnection system that combines power and DMX data on a single connector cable so that only one connection is required between light fixtures.

The Cove Light XR and Strip use the TX Connect System for all interconnections.

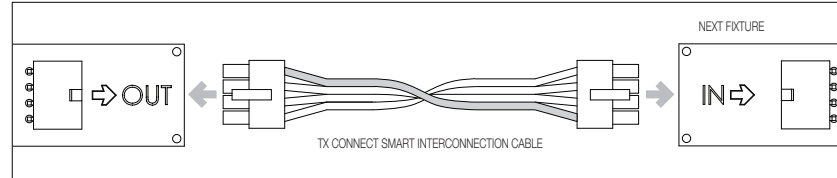
FIG 12 shows some components for the TX Connect System.



5.3 CONNECTING BETWEEN FIXTURES

Use the TX Connect Smart Interconnection Cable to connect between fixtures. For longer distances, either use a longer Interconnection Cable or use the existing Interconnection Cable with a TX Connect Smart Extension Cable.

FIG 12



5.4 LED CONTROL

The LEDs on the Cove Light XR RGB and Strip RGB are controlled by DMX. Each fixture is allocated with 3 DMX channels that control the intensity of red, green, and blue to achieve the desired color (see table below).

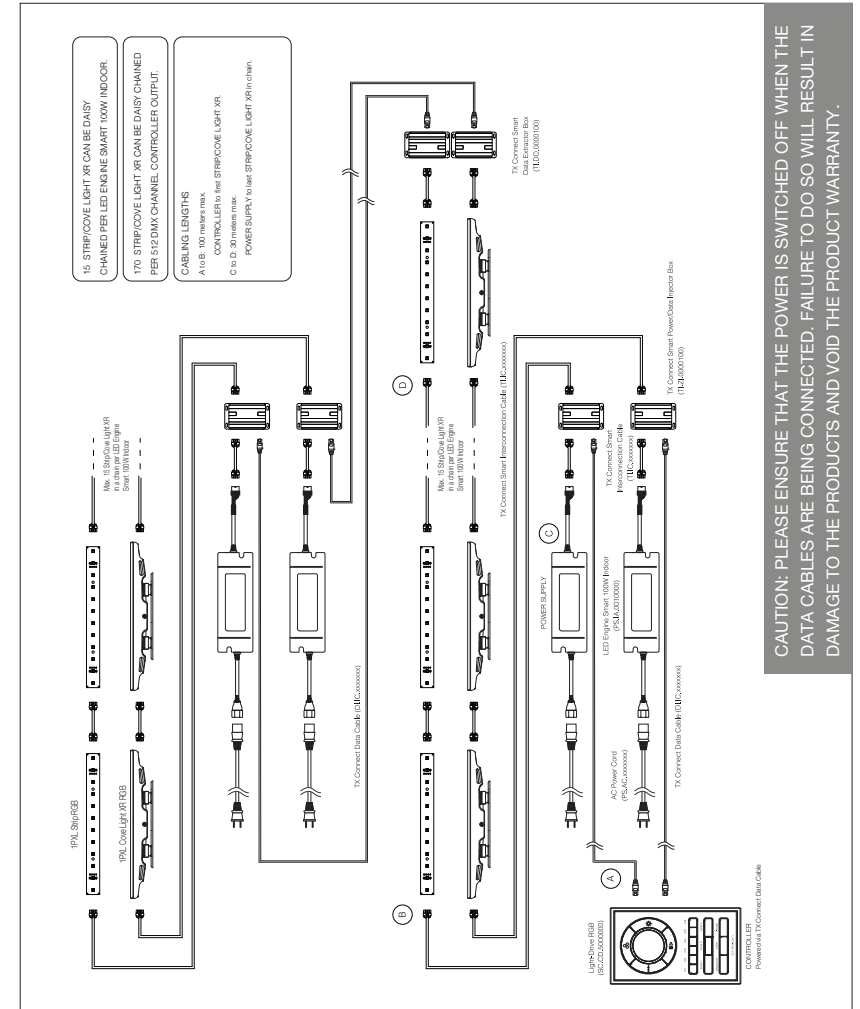
DMX CHANNEL ALLOCATION AND COLOR SETTINGS

	CHANNEL 1	CHANNEL 2	CHANNEL 3
COLOR	RED (0-255)	GREEN (0-255)	BLUE (0-255)
RED	255	0	0
GREEN	0	255	0
BLUE	0	0	255
CYAN	0	255	255
YELLOW	255	255	0
MAGENTA	255	0	255

5.5 SYSTEM CONNECTION

The fixtures are wired together in a daisy chain using the TX Connect Smart system. FIG 13 shows a wiring example.

FIG 13: 1PXL Strip RGB / 1PXL Cove Light XR RGB System Connection Example



6. CARE AND MAINTENANCE

Traxon™ products are of superior design and quality and should be treated with care. The recommendations below will help fulfill warranty obligations and gain good use and longevity from the products.

- Do not attempt to use the product(s) until you read and understand the installation instructions. Failure to adhere to these instructions could result in serious injury or property damage.
- Do not use product(s) if cables are damaged.
- Do not use product(s) when wet or in wet area. Moisture can cause electric shock and damage to product(s).
- Do not use product(s) in dirty and dusty environment.
- Do not use product(s) in extreme heat environment. Ensure there is sufficient airflow and use cool air circulation if required.
- Do not drop, knock, or shake product(s). Rough handling can damage the electronics and void the warranty.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean products. Wipe with a damp cloth on housings and a dry cloth on electronics to remove dirt or dust.
- Do not use product(s) outdoors.
- Do not attempt to service or repair the product(s) unless done by an authorized service personnel. Contact your the local Traxon™ office or distributor for details.

CAUTION

To reduce the risk, electric shock, or injury to persons:

- Use only insulated staples or plastic ties to secure cords.
- Route and secure cords so that they will not be pinched or damaged when the cabinet is pushed to the wall.
- Not intended for recessed installation in ceilings or soffits.
- Not intended for surface installation inside built-in furnishings such as kitchen cabinets, china cabinets, or trophy cases.
- The National Electrical Code (NEC) does not permit cords to be concealed where damage to insulation may go unnoticed. To prevent fire danger, do not run cord behind walls, ceilings, soffits, or cabinets where it may be inaccessible for examination. Cords should be visually examined periodically and immediately replaced when any damage is noted.

If the product is not working correctly, please contact your nearest authorized service centre or Traxon Technologies office for assistance.

7. TECHNICAL SPECIFICATION

1PXL COVE LIGHT XR RGB / 1PXL STRIP RGB

Color Range:	16.7 million additive RGB colors with variable intensity
Light Source:	12 Ultra Bright SMD LED
Source Life:	50,000 hours under normal operating conditions
Beam Angle:	X: 110°, Y: 90°
Power Input:	24V DC
Power Consumption:	6W max.
Operating Temperature:	0°C to 40°C (32°F to 104°F)

As with all electronic devices, LED output degrades over time - a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degradation is a complex function of many factors such as operating efficiency, duration of continuous operation, and operating conditions (e.g. ambient temperature).

Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers “sort” LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

8. WARRANTY STATEMENT

Traxon warrants its Products against material or workmanship defects for a period of two (2) years from date of purchase, provided that the purchased items are used under the conditions stated in this user manual.

Please refer to the Product Warranty section under www.traxontechnologies.com/terms for warranty terms and conditions.